

Supporting Information

Turning Erythrocytes to Functional Micromotors

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Supplementary Video 1: The movement of red blood cell (RBC) motors in PBS solution under various external stimulus conditions (without any stimulus; under magnetic field alone in the absence and presence of regular RBCs as control respectively; under ultrasound field alone; under both magnetic and ultrasound fields; under ultrasound field and magnetic guidance in the absence and presence of regular RBCs as control).

Supplementary Video 2: The movement of RBC motor under the ultrasound field and upon turning the magnetic field On and Off in the absence and presence of regular control RBCs.

Supplementary Video 3: The movement of RBC motor in various media, including PBS, cell medium, serum and blood.

Supplementary Video 4: The movement of RBC motor in whole blood under both magnetic and ultrasound fields over 30 min.

Supplementary Video 5: The movement of RBC motor under both magnetic and ultrasound fields before and after 24 h incubation in the whole blood.